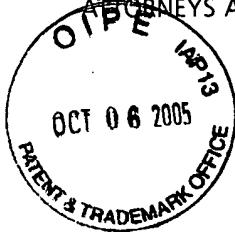




ATTORNEYS AT LAW



Robert Greene Stern
Edward J. Kessler
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Gen G. Durkin
Michele A. Cimbala
Michael B. Ray
Robert E. Sokohl
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
John M. Covert
Linda E. Alcorn
Robert C. Millonig
Donald J. Featherstone
Timothy J. Shea, Jr
Michael V. Messinger
Judith U. Kim

Patrick E. Garrett
Jeffrey T. Helvey
Heidi L. Kraus
Eldora L. Ellison
Thomas C. Fiala
Albert L. Ferro
Donald R. Banowitz
Peter A. Jackman
Jeffrey S. Weaver
Kendrick P. Patterson
Vincent L. Capuano
Brian J. Del Buono
Virgil Lee Beaston
Theodore A. Wood
Elizabeth J. Haanes
Joseph S. Ostroff
Frank R. Cottingham
Rae Lynn P. Guest
Daniel A. Klein

Jason D. Eisenberg
Michael D. Specht
Andrea J. Kamage
Tracy L. Muller
Jon E. Wright
LuAnne M. DeSantis
Ann E. Summerfield
Aric W. Ledford
Helene C. Carlson
Cynthia M. Bouchez
Timothy A. Doyle
Gaby L. Longsworth
Lori A. Gordon
Nicole D. Dretar
Ted J. Ebersole
Laura A. Vogel
Michael J. Mancuso
Bryan S. Wade
Aaron L. Schwartz

Shannon A. Carroll*
Wesley E. Jones*
Matthew E. Kelley*
Michelle K. Holoubek*
Marsha A. Rose*

Scott M. Woodhouse
Christopher J. Walsh
Liliana Di Nola-Baron
Peter A. Socarras
Jeffrey Mills

Registered Patent Agents*

Karen R. Markowicz
Nancy J. Leith
Matthew J. Dowd
Katrina Fujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Teresa A. Colella
Victoria S. Rutherford
Simon J. Elliott
Julie A. Heider
Mita Mukherjee

Of Counsel

Kenneth C. Bass III
Marvin C. Guthrie
*Admitted only in Maryland
+Admitted only in Virginia
#Practice Limited to
Federal Agencies

October 6, 2005

WRITER'S DIRECT NUMBER:
(202) 772-8774

INTERNET ADDRESS:
TDOYLE@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2817

Mail Stop: Issue Fee

Re: Allowed U.S. Utility Patent Application
Application No. 10/783,563; Filed: February 23, 2004
For: **Phase Locked Loop (As Amended)**
Inventors: Ward *et al.*
Our Ref: 1875.0950001/JTH/TAD

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Credit Card Payment Form (PTO-2038) in the amount of \$130.00 to cover fee correcting inventorship;
2. Processing Fee Under 37 C.F.R. 1.17(i) Transmittal;
3. Request Under 37 C.F.R. § 1.48(a) to Correct Inventorship in a Nonprovisional Patent Application;
4. Supplemental Declaration for Patent Application;
5. Statement Under 37 C.F.R. § 1.48(a)(2);
6. Statement Under 37 C.F.R. § 1.48(a)(5); and
7. Return postcard.

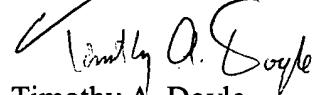
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
October 6, 2005
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

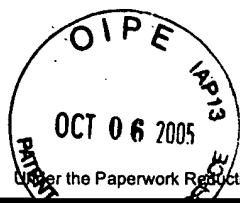
Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Timothy A. Doyle
Attorney for Applicants
Registration No. 51,262

TAD/slw
Enclosures

446093_1.DOC



PTO/SB/17i (04-05)
Approved for use through 07/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PROCESSING FEE

Under 37 CFR 1.17(i)

TRANSMITTAL

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/783,563
Filing Date	February 23, 2004
First Named Inventor	Christopher M. Ward
Art Unit	2817
Examiner Name	Mis, David C.
Attorney Docket Number	1875.0950001/JTH/TAD

Enclosed is a paper filed under 37 CFR 1.48 that requires a processing fee (37 CFR 1.17(i)).
Payment of \$ 130.00 is enclosed.

This form should be included with the above-mentioned paper and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see form PTO/SB/17p.

Payment of Fees (small entity amounts are NOT available for the processing fees)

The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 19-0036:
 processing fee under 37 CFR 1.17(i) any deficiency of fees and credit of any overpayments
Enclose a duplicative copy of this form for fee processing.

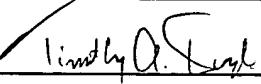
Check in the amount of \$ _____ is enclosed.

Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

Processing Fees under 37 CFR 1.17(i): Fee \$130 Fee Code 1808 for all, Except for § 1.221 papers (Fee Code 1803)

For papers filed under:

§ 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.
§ 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.
§ 1.48 - for correcting inventorship, except in provisional applications.
§ 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.
§ 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).
§ 1.55 - for entry of late priority papers.
§ 1.71(g)(2) - to enter an amendment to the specification for purposes of 35 U.S.C. 103(c)(2) if not filed within the cited time periods
§ 1.99(e) - for processing a belated submission under § 1.99.
§ 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).
§ 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).
§ 1.103(d) - for requesting deferred examination of an application.
§ 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.
§ 1.221 - for requesting voluntary publication or republication of an application. Fee Code 1803
§ 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.
§ 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4) naming an inventive entity different from the inventive entity set forth in the international stage.
§ 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.


Signature

Timothy A. Doyle

Typed or printed name

6 OCT 05

Date

51,262

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ward *et al.*

Appl. No. 10/783,563

Filed: February 23, 2004

For: **Phase Locked Loop (As Amended)**

Confirmation No. 7562

Art Unit: 2817

Examiner: David C. Mis

Atty. Docket: 1875.095000I

**Request Under 37 C.F.R. § 1.48(a)
to Correct Inventorship in a Nonprovisional Patent Application**

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the United States Patent and Trademark Office (USPTO) correct inventorship in the above-captioned nonprovisional patent application. Specifically, the USPTO is requested to change the inventorship in this nonprovisional patent application from:

Christopher M. Ward and Pieter Vorenkamp

to

Christopher M. Ward.

This request is accompanied by:

- (1) a statement under 37 C.F.R. § 1.48(a)(2) from the person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his part;

- (2) a declaration by the actual inventor as required by 37 C.F.R. § 1.63;
- (3) a statement from the assignee under 37 C.F.R. § 1.48(a)(5) consenting to the change of inventorship; and
- (4) the fee set forth under 37 C.F.R. § 1.17(i) for \$130, in our attached PTO-2038 Credit Card Payment Form.

The USPTO is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Timothy A. Doyle
Attorney for Applicants
Registration No. 51,262

Date: 6 OCT 05

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

SKGF_DC1:415723.1



Supplemental Declaration for Patent Application

Docket Number: 1875.0950001/JTH/TAD

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Phase Locked Loop**, the specification of which is attached hereto unless the following box is checked:

was filed on February 23, 2004;
as United States Application Number 10/783,563; and
was amended on February 23, 2004, and April 5, 2005.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Applications(s):	Priority Claimed		
(Application No.)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Application No.)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Send Correspondence to: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934

Direct Telephone Calls to: (202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole Inventor:	Christopher M. Ward
Signature of sole Inventor:	<i>Christopher M. Ward</i>
Date:	7 July 2005
Residence:	AJ Bunnik, The Netherlands
Citizenship:	United States
Mailing Address:	Kosterjiland 14, 3981 AJ Bunnik, The Netherlands



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ward *et al.*

Appl. No. 10/783,563

Filed: February 23, 2004

For: **Phase Locked Loop (As Amended)**

Confirmation No. 7562

Art Unit: 2817

Examiner: David C. Mis

Atty. Docket: 1875.095000I

Statement Under 37 C.F.R. § 1.48(a)(2)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

I am not an inventor of the invention of any of the claims in the above-captioned nonprovisional patent application for which a declaration under 37 C.F.R. § 1.63 had been filed erroneously naming me as an inventor. The error in inventorship occurred without deceptive intention on my part. I have read and understand 37 C.F.R. § 10.18(b).


Signed: _____ Date: 9/14/05
Pieter Vorenkamp



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ward *et al.*

Appl. No. 10/783,563

Filed: February 23, 2004

For: **Phase Locked Loop (As Amended)**

Confirmation No. 7562

Art Unit: 2817

Examiner: David C. Mis

Atty. Docket: 1875.095000I

Statement Under 37 C.F.R. § 1.48(a)(5)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Broadcom Corporation, assignee of the entire right, title, and interest of Christopher M. Ward in the above-captioned nonprovisional patent application consents to change the inventorship in this nonprovisional patent application from:

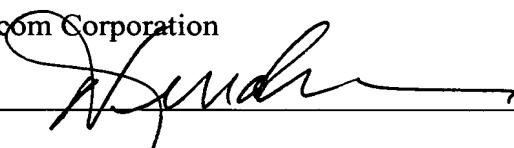
Christopher M. Ward and Pieter Vorenkamp

to

Christopher M. Ward.

I have read and understand 37 C.F.R. § 10.18(b).

For: Broadcom Corporation

Signature: 

Printed Name: Dee Henderson

Title: Senior Manager, Intellectual Property Administration

Date: 6/30/05